



SEQUENCE LISTING

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<120> SOLID SUPPORT ASSAY SYSTEMS AND METHODS UTILIZING NON-NATURAL BASES

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<141> 2001-10-15

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<150> 60/282,831
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<400> 66
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10

<210> 67

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<400> 67
ccnnatgtng

10

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<223> n represents iso-guanine

<400> 68
gnggttnntc

10

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<400> 70
gnnacnacac

10

<210> 71
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<400> 71
gcncngtnc

9

<210> 72
<211> 9
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<400> 72
gncngganc

9

<210> 73
<211> 10
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<400> 73
cga

10

<210> 74
<211> 10
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<400> 74
cccantccnc

10

<210> 75
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<400> 75
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10

<210> 76
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<400> 76
cncctancgg

10

<210> 77
<211> 9
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<400> 77
gngttgnccg

9

<210> 78
<211> 10

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<400> 78
cnaagnancg

10

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<400> 79
ggagncnnntc

10

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<400> 80
cngnangtac

10

<210> 81
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<400> 81
gnacgantng

10

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<223> n represents iso-guanine

<400> 82
gngctncatg

10

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<400> 83
gtgnagagng

10

<210> 84
<211> 9
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<400> 84
gccgncntc

9

<210> 85
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<400> 85
caancgntcg

10

<210> 86
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<400> 86
cacanacngc

10

<210> 87
<211> 9
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<400> 87
gntggnnncg

9

<210> 88
<211> 9
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9

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<400> 89
cnanggtcnc

10

<210> 90
<211> 9
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<400> 90
ccnngngtg

9

<210> 91
<211> 10
<212> DNA
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<400> 91
ggnacnccag

10

<210> 92

<211> 10
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<400> 92
gcctncngac

10

<210> 93
<211> 10
<212> DNA
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<400> 93
cnttncgcncc

10

<210> 94
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<223> n represents iso-guanine

<220>
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 <223> n represents iso-guanine

<400> 94
 cncctangnng

10

<210> 95
 <211> 9
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 <222> (5)..(5)
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 <222> (8)..(8)
 <223> n represents iso-guanine

<400> 95
 cngcnagng

9

<210> 96
 <211> 10
 <212> DNA
 <213> synthetic oligonucleotide

<220>
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 <223> n represents iso-guanine

<220>
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 <222> (6)..(6)
 <223> n represents iso-guanine

<400> 96
 cnagcnacgg

10

<210> 97
 <211> 10
 <212> DNA
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<220>

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<220>
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<222> (8)..(8)
<223> n represents iso-guanine

<400> 97
gacangcncc

10

<210> 98
<211> 9
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<222> (7)..(7)
<223> n represents iso-guanine

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<222> (8)..(8)
<223> n represents iso-guanine

<400> 98
gggnncgnna

9

<210> 99
<211> 10
<212> DNA
<213> synthetic oligonucleotide

<400> 99
gccagttaa

10

<210> 100
<211> 10
<212> DNA
<213> synthetic oligonucleotide

<220>
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<223> n represents iso-guanine

<400> 100
gccantttaa

10

<210> 101

<211> 10
<212> DNA
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<220>
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<222> (3)...(3)
<223> n represents iso-guanine

<400> 101
gcnagtttaa

10

<210> 102
<211> 10
<212> DNA
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<400> 102
gycagtttaa

10

<210> 103
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<212> DNA
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<400> 103
gyyagtttaa

10

<210> 104
<211> 155
<212> DNA
<213> synthetic oligonucleotide

<400> 104
agaaaacaacc atctaattccc acactaaaaat tcaaggctcc acagacgaaa cagtgaagaa
taattgttca gcatactaac caactgatta catatttacc atactcaggt ttgtgcttca
tacaaaccca ctagtcggc gctccctgtt agatg

60

120

155

<210> 105
<211> 63
<212> DNA
<213> synthetic oligonucleotide

<400> 105
cttctcccat tgcccagggc actctcctct gtagaagtag actgatctt tgtggagaca
tca

60

63

<210> 106
<211> 68
<212> DNA
<213> synthetic oligonucleotide

<400> 106
agtgcctgct acctgtcagg tgaaaatttc ttagtgatcc ctaagctcaa tgggtgcyygg
cttgcagg

60

68

<210> 107
<211> 73
<212> DNA
<213> synthetic oligonucleotide

<400> 107
ggttggaaatg tttgcacatg cagtgttagt tatttgggct gataactact tagcttatct 60
agcctgggcc agc 73

<210> 108
<211> 81
<212> DNA
<213> synthetic oligonucleotide

<400> 108
ctgatctgac ctcagactgt tgtgctaaca gatataaacac cagtaagttg acgtcaaata 60
ctgcaggaag tagaggcattt c 81

<210> 109
<211> 90
<212> DNA
<213> synthetic oligonucleotide

<400> 109
gactgctgga gagctgaggg aggctgtgga gaataaggag agagcagtag tctcgccccc 60
tgccctgccc atactgagca gccaaagacac 90

<210> 110
<211> 97
<212> DNA
<213> synthetic oligonucleotide

<400> 110
ggactgtcca aakggatctc aaggagaata gtccttgcta ttaaggagta taaaggcata 60
aaagaggtca tagggaccaa ccatgaccaa gaagttt 97

<210> 111
<211> 108
<212> DNA
<213> synthetic oligonucleotide

<400> 111
ccttcctgca ytccacagta taaacacaga atgcacactg caggtcggtt tatttggtt 60
cgatgtgaat taaagatgct ttggctaaggc caggagatga taatactg 108

<210> 112
<211> 130
<212> DNA
<213> synthetic oligonucleotide

<400> 112
cacatacacc atgtcagcca tcagcgcaaa gccttcgagt ttcagctgtg agatgaaggc 60
ttggagaaggc acgttgatct gcaaagaaggc aaaggagctt gcgaggcct ggtcaactgac 120
cgactgctca 130

<210> 113
<211> 18
<212> DNA
<213> synthetic oligonucleotide

<400> 113
catctaacag ggagcgcc

18

<210> 114
<211> 23
<212> DNA
<213> synthetic oligonucleotide

<220>
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<222> (1)..(1)
<223> n represents deoxythymidylate labeled with 6-carboxyfluorescein
(6-FAM)

<400> 114
ngaaaacaacc atctaattccc aca

23

<210> 115
<211> 18
<212> DNA
<213> synthetic oligonucleotide

<220>
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<222> (1)..(1)
<223> n represents deoxythymidylate labeled with 6-carboxyfluorescein
(6-FAM)

<400> 115
nttctccat tgcccagg

18

<210> 116
<211> 23
<212> DNA
<213> synthetic oligonucleotide

<400> 116
tgatgtctcc acaaagatca gtc

23

<210> 117
<211> 19
<212> DNA
<213> synthetic oligonucleotide

<400> 117
agtgcctgct acctgtcag

19

<210> 118
<211> 16
<212> DNA
<213> synthetic oligonucleotide

<220>
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<222> (1)..(1)
<223> n represents deoxythymidylate labeled with 6-carboxyfluorescein
(6-FAM)

<400> 118
nctgcaagcc agcacc

16

<210> 119
<211> 21
<212> DNA
<213> synthetic oligonucleotide

<220>
<221> modified_base
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<223> n represents deoxythymidylate labeled with 6-carboxyfluorescein
(6-FAM)

<400> 119
ngtttggaaatg tttgcacatg c

21

<210> 120
<211> 21
<212> DNA
<213> synthetic oligonucleotide

<400> 120
gctggaccag gcttagataag c

21

<210> 121
<211> 22
<212> DNA
<213> synthetic oligonucleotide

<220>
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(6-FAM)

<400> 121
ntgatctgac ctcagactgt tg

22

<210> 122
<211> 19
<212> DNA
<213> synthetic oligonucleotide

<400> 122
gcaaggctct acttcctgc

19

<210> 123
<211> 19
<212> DNA
<213> synthetic oligonucleotide

<220>
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<223> n represents deoxythymidylate labeled with 6-carboxyfluorescein
(6-FAM)

<400> 123
nactgctgga gagctgagg

19

<210> 124
<211> 21
<212> DNA
<213> synthetic oligonucleotide

<400> 124
gtgtcttggc tgctcagtat g

21

<210> 125
<211> 20
<212> DNA
<213> synthetic oligonucleotide

<220>
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(6-FAM)

<400> 125
ngactgtcca aaggatctc

20

<210> 126
<211> 22
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<400> 126
caacttcttg gtcatggttg tc

22

<210> 127
<211> 19
<212> DNA
<213> synthetic oligonucleotide

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<400> 127
nctttcctgc aytccacag

19

<210> 128
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<212> DNA
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<220>
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(6-FAM)

<400> 128
nagtattatc atctcctggc tttagc 25

<210> 129
<211> 19
<212> DNA
<213> synthetic oligonucleotide

<220>
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<222> (1)...(1)
<223> n represents deoxythymidylate labeled with 6-carboxyfluorescein (6-FAM)

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nacatacaccc atgtcagcc 19

<210> 130
<211> 17
<212> DNA
<213> synthetic oligonucleotide

<400> 130
tgagcagtcg gtcagtg 17

<210> 131
<211> 27
<212> DNA
<213> synthetic oligonucleotide

<400> 131
gtgyacaygc gtttcataaca aacccac 27

<210> 132
<211> 27
<212> DNA
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<400> 132
cgaytctgyc gtttcataaca aacccat 27

<210> 133
<211> 27
<212> DNA
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<400> 133
ctaycaaycc cactctcctc ttagaa 27

<210> 134
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<400> 134
gagaycyaag cactctcctc ttagag 27

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gttcytgayg gaaaatttct tagtgatcct	30	
<210> 136		
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gcytayctac aaaatttctt agtgatccc	29	
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<213> synthetic oligonucleotide		
<400> 137		
gttaycytcc agtggtagtt atttgggt	28	
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cacyatacyg gtgttagtta tttgggc	27	
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gycgayaatc taacaccagt aagttgag	28	
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<400> 141		
gycgtayttg agaataagga gagagca	27	
<210> 142		
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<213> synthetic oligonucleotide

<400> 142
gtytatatyccg gaataaggag agagcg

26

<210> 143
<211> 30
<212> DNA
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<400> 143
gacayacytc agaatagtcc ttgctattaa

30

<210> 144
<211> 30
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<400> 144
ggaayaacyg agaatagtcc ttgctattag

30

<210> 145
<211> 25
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<400> 145
gatytycagc agaatgcaca ctgca

25

<210> 146
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<212> DNA
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<400> 146
gtyatytgcg gaatgcacac tgcg

24

<210> 147
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<400> 147
gatygtcyyg gctagcggag gcc

23

<210> 148
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<213> synthetic oligonucleotide

<400> 148
ggycytagtgg gctagcggag got

23

<210> 149
<211> 61
<212> DNA
<213> synthetic oligonucleotide

<400> 149
tttctcccat tgcccagggc actctctct gtatartaga ctgatytgg tggagacatc

60

a

61

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<223> n represents iso-guanine

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<222> (12)..(12)
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cngcnagnga tntgatgtct ccacaaagat cagtc

35

<210> 151
<211> 27
<212> DNA
<213> synthetic oligonucleotide

<400> 151
ctaycaaycc cactctcctc tgtagaa

27

<210> 152
<211> 27
<212> DNA
<213> synthetic oligonucleotide

<400> 152
gagaycyaag cactctcctc tgtagag

27

<210> 153
<211> 12
<212> DNA
<213> synthetic oligonucleotide

<400> 153
yatcyctygc yg

12

<210> 154
<211> 18
<212> DNA

<213> synthetic oligonucleotide

<400> 154

agaacccttt cctttcc

18

<210> 155

<211> 47

<212> DNA

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<400> 155

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<212> DNA

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39